

XP-002126702

PP Og-12-96
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L102 ANSWER 3 OF 7 HCPLUS COPYRIGHT 1999 ACS
AN 1996:686718 HCPLUS

DN 125:302861

TI Heat-, impact- and weather-resistant thermoplastic polymer compositions and ***automobile*** ***interior*** parts therefrom

IN Noguchi, Tetsuhisa; Niimura, Tetsuya

PA Denki Kagaku Kogyo Kk, Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM ***C08L067-02***

ICS ***C08L067-02*** ; ***B60R013-02*** ; B62D029-04; C08L025-04;
C08L035-06; ***C08L055-02***

CC 38-3 (Plastics Fabrication and Uses)
Section cross-reference(s): 37

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 08225723	A2	19960903	JP 1995-32054	19950221
AB	The compns. comprise (A) 20-50% arom. ***polyesters***, (B) 20-40% polymers prepnd. by polymn. of 30-90 parts mixts. of arom. vinyl compds. 50-80, vinyl cyanides 20-50, and polymerizable vinyl monomers 0-20% in the presence of 10-70 parts ***rubbers***, (C) 5-40% copolymers of arom. vinyl compds. 45-80, vinyl cyanides 0-50, and polymerizable vinyl monomers 0-55%, (D) 0.5-10% copolymers of epoxy group-substituted vinyl compds. 0.5-5, maleic anhydride-substituted vinyl compds. 1-15, arom. vinyl compds. 45-80, vinyl cyanides 0-50, and polymerizable vinyl compds. 0-50%, (E) 0-20% inorg. fillers, and (F) 0.1-10% weather-resistant agents. ***Poly*** (***butylene*** ***terephthalate***) (Novadur 5020S) 40, 100:30:70 butadiene- ***acrylonitrile*** (I)- ***styrene*** graft copolymer 35, 25:75 I- ***styrene*** copolymer 8.5, 10:55:35 I- ***styrene*** -N-phenylmaleimide copolymer 10, 25:74:1 I- ***styrene*** -glycidyl methacrylate copolymer 5, and LA 36 (benzotriazole) 1.5 parts were mixed, extruded, pelletized, and injection-molded to give test pieces showing heat distortion temp. 118.degree., good retention of color on exposure to a carbon arc weatherometer for 100 h, and good impact resistance.				
ST	***polyester*** ***rubber*** grafted vinyl polymer ***blend*** ; ***acrylonitrile*** graft copolymer ***polyester*** ***blend*** ; butadiene graft copolymer ***polyester*** ***blend*** ; ***styrene*** graft copolymer ***polyester*** ***blend*** ; glycidyl methacrylate copolymer ***polyester*** ***blend*** ; ***polybutylene*** ***terephthalate*** ***blend*** ***automobile*** ***interior*** part; weather resistance plastic ***automobile*** ***interior*** part; heat resistance plastic ***automobile*** ***interior*** part; impact resistance plastic ***automobile*** ***interior*** part				
IT	Plastics RL: TEM (Technical or engineered material use); USES (Uses) (***blends*** of ***polyesters*** with ***rubber*** -grafted vinyl polymers for heat-, impact- and weather-resistant compns. for ***automobile*** ***interior*** parts)				
IT	***Polyesters*** , uses RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses) (***blends*** with ***rubber*** -grafted vinyl polymers; heat-, impact- and weather-resistant thermoplastic polymer compns. for ***automobile*** ***interior*** parts)				
IT	Heat-resistant materials				

Impact-resistant materials
(heat-, impact- and weather-resistant thermoplastic polymer compns. for ***automobile*** ***interior*** parts)

IT ***Automobiles***
(parts, heat-, impact- and weather-resistant thermoplastic polymer compns. for)

IT 3896-11-5, LA 36
RL: MOA (Modifier or additive use); USES (Uses)
(LA 36, UV absorber; heat-, impact- and weather-resistant thermoplastic polymer compns. for ***automobile*** ***interior*** parts contg.)

IT 14807-96-6, Microace P-4, uses
RL: MOA (Modifier or additive use); USES (Uses)
(Microace P-4, filler; heat-, impact- and weather-resistant thermoplastic polymer compns. for ***automobile*** ***interior*** parts contg.)

IT ***29762-66-1P***
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)
(***blends*** with ***polyesters*** and ***rubber*** -grafted vinyl polymers; heat-, impact- and weather-resistant thermoplastic polymer compns. for ***automobile*** ***interior*** parts)

IT ***9003-54-7P*** , ***Acrylonitrile*** - ***styrene*** copolymer
31621-07-5P , ***Acrylonitrile*** -N-phenylmaleimide-
styrene copolymer
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); POF (Polymer in formulation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(***blends*** with ***polyesters*** and ***rubber*** -grafted vinyl polymers; heat-, impact- and weather-resistant thermoplastic polymer compns. for ***automobile*** ***interior*** parts)

IT ***106677-58-1P*** , ***Acrylonitrile*** -butadiene- ***styrene*** graft copolymer
RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(***blends*** with ***polyesters*** ; heat-, impact- and weather-resistant thermoplastic polymer compns. for ***automobile*** ***interior*** parts)

IT 24968-12-5, Novadur 5020S ***26062-94-2*** , Butylene glycol-terephthalic acid copolymer
RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(***blends*** with ***rubber*** -grafted vinyl polymers; heat-, impact- and weather-resistant thermoplastic polymer compns. for ***automobile*** ***interior*** parts)